IFWO

RAW SEQUENCE LISTING   DATE: 08/20/2004
PATENT APPLICATION: US/10/764,075   TIME: 10:34:08

Input Set : A:\5199-87 sequence listing.txt
Output Set: N:\CRF4\08202004\J764075.raw

```
 3 <110> APPLICANT: Briese, Thomas
 4        Lipkin, Ian W.
 5        Palacios, Gustavo
 6        Jabado, Omar
 8 <120> TITLE OF INVENTION: Methods and Kits for Detecting SARS-Associated Coronavirus
10 <130> FILE REFERENCE: 5199-87
12 <140> CURRENT APPLICATION NUMBER: 10/764,075
13 <141> CURRENT FILING DATE: 2004-01-23
15 <150> PRIOR APPLICATION NUMBER: Provisional Application 60/463,704
16 <151> PRIOR FILING DATE: 2003-04-17
18 <160> NUMBER OF SEQ ID NOS: 16
20 <170> SOFTWARE: PatentIn version 3.2
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1136
24 <212> TYPE: DNA
25 <213> ORGANISM: artificial sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: synthetic nucleic acid sequence that includes the 3' non-
coding
29        region of the SARS-associated coronavirus genome and a portion of
30        the N gene of the SARS-associated coronavirus genome
32 <400> SEQUENCE: 1
33 aggcatcgta tgggttgcaa ctgagggagc cttgaataca cccaaagacc acattggcac      60
35 ccgcaatcct aataacaatg ctgccaccgt gctacaactt cctcaaggaa caacattgcc     120
37 aaaaggcttc tacgcagagg gaagcagagg cggcagtcaa gcctcttctc gctcctcatc     180
39 acgtagtcgc ggtaattcaa gaaattcaac tcctggcagc agtaggggaa attctcctgc     240
41 tcgaatggct agcggaggtg gtgaaactgc cctcgcgcta ttgctgctag acagattgaa     300
43 ccagcttgag agcaaagttt ctggtaaagg ccaacaacaa caaggccaaa ctgtcactaa     360
45 gaaatctgct gctgaggcat ctaaaaagcc tcgccaaaaa cgtactgcca caaaacagta     420
47 caacgtcact caagcatttg ggagacgtgg tccagaacaa acccaaggaa atttcggggga   480
49 ccaagaccta atcagacaag gaactgatta caaacattgg ccgcaaattg cacaatttgc     540
51 tccaagtgcc tctgcattct ttggaatgtc acgcattggc atggaagtca caccttcggg     600
53 aacatggctg acttatcatg gagccattaa attggatgac aaagatccac aattcaaaga     660
55 caacgtcata ctgctgaaca agcacattga cgcatacaaa acattcccac caacagagcc     720
57 taaaaaggac aaaaagaaaa agactgatga agctcagcct ttgccgcaga gacaaaagaa     780
59 gcagcccact gtgactcttc ttcctgcggc tgacatggat gatttctcca gacaacttca     840
61 aaattccatg agtggagctt ctgctgattc aactcaggca taaacactca tgatgaccac     900
63 acaaggcaga tgggctatgt aaacgttttc gcaattccgt ttacgataca tagtctactc     960
65 ttgtgcagaa tgaattctcg taactaaaca gcacaagtag gtttagttaa ctttaatctc    1020
67 acatagcaat ctttaatcaa tgtgtaacat tagggaggac ttgaaagagc caccacattt    1080
69 tcatcgaggc cacgcggagt acgatcgagg gtacagtgaa taatgctagg gagagc        1136
72 <210> SEQ ID NO: 2
73 <211> LENGTH: 21
74 <212> TYPE: DNA
```

RAW SEQUENCE LISTING   DATE: 08/20/2004
PATENT APPLICATION: US/10/764,075   TIME: 10:34:08

Input Set : A:\5199-87 sequence listing.txt
Output Set: N:\CRF4\08202004\J764075.raw

```
 75 <213> ORGANISM: artificial sequence
 77 <220> FEATURE:
 78 <223> OTHER INFORMATION: primer
 80 <400> SEQUENCE: 2
 81 atgaccacac aaggcagatg g                                    21
 84 <210> SEQ ID NO: 3
 85 <211> LENGTH: 24
 86 <212> TYPE: DNA
 87 <213> ORGANISM: artificial sequence
 89 <220> FEATURE:
 90 <223> OTHER INFORMATION: primer
 92 <400> SEQUENCE: 3
 93 gctctcccta gcgttattca ctgt                                 24
 96 <210> SEQ ID NO: 4
 97 <211> LENGTH: 21
 98 <212> TYPE: DNA
 99 <213> ORGANISM: artificial sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: primer
104 <400> SEQUENCE: 4
105 cacaaggcag atgggctatg t                                    21
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 23
110 <212> TYPE: DNA
111 <213> ORGANISM: artificial sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: primer
116 <400> SEQUENCE: 5
117 gctctcccta gcgttattca ctg                                  23
120 <210> SEQ ID NO: 6
121 <211> LENGTH: 27
122 <212> TYPE: DNA
123 <213> ORGANISM: artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: primer
128 <400> SEQUENCE: 6
129 tttcatcgag gccacgcgga gtactta                              27
132 <210> SEQ ID NO: 7
133 <211> LENGTH: 24
134 <212> TYPE: DNA
135 <213> ORGANISM: artificial sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: primer
140 <400> SEQUENCE: 7
141 gctctcccta gcattattca ctgt                                 24
144 <210> SEQ ID NO: 8
145 <211> LENGTH: 20
146 <212> TYPE: DNA
147 <213> ORGANISM: artificial sequence
```

RAW SEQUENCE LISTING   DATE: 08/20/2004
PATENT APPLICATION: US/10/764,075   TIME: 10:34:08

Input Set : A:\5199-87 sequence listing.txt
Output Set: N:\CRF4\08202004\J764075.raw

```
149 <220> FEATURE:
150 <223> OTHER INFORMATION: primer
152 <400> SEQUENCE: 8
153 aaacgttttc gcaattccgt                                           20
156 <210> SEQ ID NO: 9
157 <211> LENGTH: 23
158 <212> TYPE: DNA
159 <213> ORGANISM: artificial sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: primer
164 <400> SEQUENCE: 9
165 ggcagctctc cctagcatta ttc                                       23
168 <210> SEQ ID NO: 10
169 <211> LENGTH: 25
170 <212> TYPE: DNA
171 <213> ORGANISM: artificial sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: primer
176 <400> SEQUENCE: 10
177 tcgatcgtac tccgcgtggc cttta                                     25
180 <210> SEQ ID NO: 11
181 <211> LENGTH: 19
182 <212> TYPE: DNA
183 <213> ORGANISM: artificial sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: primer
188 <400> SEQUENCE: 11
189 aggcatcgta tgggttgca                                            19
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 22
194 <212> TYPE: DNA
195 <213> ORGANISM: artificial sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: primer
200 <400> SEQUENCE: 12
201 gaagcctttt ggcaatgttg tt                                        22
204 <210> SEQ ID NO: 13
205 <211> LENGTH: 31
206 <212> TYPE: DNA
207 <213> ORGANISM: artificial sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: primer
212 <400> SEQUENCE: 13
213 agggagcctt gaatacaccc aaagaccatt a                              31
216 <210> SEQ ID NO: 14
217 <211> LENGTH: 20
218 <212> TYPE: DNA
219 <213> ORGANISM: artificial sequence
221 <220> FEATURE:
```

RAW SEQUENCE LISTING   DATE: 08/20/2004
PATENT APPLICATION: **US/10/764,075**   TIME: 10:34:08

Input Set : **A:\5199-87 sequence listing.txt**
Output Set: **N:\CRF4\08202004\J764075.raw**

```
222  <223> OTHER INFORMATION: primer
224  <400> SEQUENCE: 14
225  aagcctcgcc aaaaacgtac                                          20
228  <210> SEQ ID NO: 15
229  <211> LENGTH: 20
230  <212> TYPE: DNA
231  <213> ORGANISM: artificial sequence
233  <220> FEATURE:
234  <223> OTHER INFORMATION: primer
236  <400> SEQUENCE: 15
237  aagtcagcca tgttcccgaa                                          20
240  <210> SEQ ID NO: 16
241  <211> LENGTH: 28
242  <212> TYPE: DNA
243  <213> ORGANISM: artificial sequence
245  <220> FEATURE:
246  <223> OTHER INFORMATION: primer
248  <400> SEQUENCE: 16
249  tcacgcattg gcatggaagt cacactta                                 28
```

VERIFICATION SUMMARY   DATE: 08/20/2004
PATENT APPLICATION: **US/10/764,075**   TIME: 10:34:09

Input Set : **A:\5199-87 sequence listing.txt**
Output Set: **N:\CRF4\08202004\J764075.raw**